

WHAT IS CLAIMED IS:

1. A refrigerant composition which comprises:
 - (a) pentafluorethane, trifluoromethoxydifluoromethane or hexafluorocyclopropane, or a mixture of two or more thereof, in an amount of from about 60 to about 70% by weight based on the weight of the composition;
 - (b) 1,1,1,2- or 1,1,2,2-tetrafluorethane, trifluoromethoxypentafluoroethane, 1,1,1,2,3,3-heptafluoropropane or a mixture of two or more thereof, in an amount of from about 26 to about 36% by weight based on the weight of the composition; and
 - (c) an ethylenically unsaturated or saturated hydrocarbon, optionally containing one or more oxygen atoms, with a boiling point from -12°C to +10°C, or a mixture thereof, or a mixture of one or more said hydrocarbons with one or more other hydrocarbons, said mixture having a bubble point from -12°C to +10°C, in an amount from about 1% to about 4% by weight based on the weight of the composition.
2. A composition according to claim 1, wherein component (c) is present in an amount from about 3 to about 4% by weight of the composition.
3. A composition according to claim 2, wherein component (c) is present in an amount of about 3.5% by weight based on the weight of the composition.
4. A composition according to claim 1, wherein component (c) is n-butane and/or isobutane.
5. A composition according to claim 4, wherein component (c) is n-butane and/or isobutane.

6. A composition according to claim 1, wherein component (c) is a mixture of n-butane and/or isobutane with another hydrocarbon.

7. A composition according to claim 1, wherein component (a) is pentafluoroethane.

5 8. A composition according to claim 1, wherein component (a) is present in an amount from about 62 to about 67% by weight based on the weight of the composition.

9. A composition according to claim 8, wherein component (a) is present in an amount above 64 up to 66% weight based on the weight of the 10 composition.

10. A composition according to claim 1, wherein component (b) is 1,1,1,2-tetrafluoroethane.

11. A composition according to claim 1, wherein component (b) is present in an amount from about 28 to about 32 % by weight based on the weight 15 of the composition.

12. A composition according to claim 1, wherein the weight ratio of component (a): component (b) is at least 1.5:1.

13. A composition according to claim 12, wherein said weight ratio is 1.5:1 to 3:1.

20 14. A composition according to claim 1, which comprises, as component (a) about 62 to 67% by weight based on the weight of the composition

of pentafluoroethane, as component (b) about 3 to 35% by weight based on the weight of the composition of 1,1,1,2-tetrafluoroethane and, as component (c), butane or a mixture of hydrocarbons comprising butane.

15. A composition according to claim 1, which includes a further
5 component.

16. A composition according to claim 15, wherein the further component is a hydrofluorocarbon.

17. A composition according to claim 16, wherein the hydrofluorocarbon has a boiling point at atmospheric pressure of at most -40°C.

10 18. A composition according to claim 16, wherein the F/H ratio in the hydrofluorocarbon is at least 1.

19. A composition according to claim 18, wherein the hydrofluorocarbon is difluoromethane or trifluoromethane.

20. A composition according to claim 16, wherein the further
15 component is present in an amount not exceeding about 5% by weight based on the weight of (a), (b) and (c).

21. A composition according to claim 20, in which the further component is present in an amount not exceeding about 2% by weight based on the weight of (a), (b) and (c).

22. A process for refrigeration which comprises condensing a composition as in claim 1, and thereafter evaporating the composition in the vicinity of a body to be cooled.

23. A refrigeration apparatus containing, as refrigerant, a composition as in claim 1.